

WHAT IS CLAIMED IS:

1. A wrench comprising:

a handle and a box end connected to the handle, the box end having a through hole and a first side and a second side, a polygonal inner periphery defined in an inner periphery of the through hole and located close to the first side of the box end, a plain inner surface defined in the inner periphery of the through hole and located close to the second side of the box end, an inner diameter of the plain inner periphery being larger than an inner diameter of the polygonal inner periphery, and

a spring member engaged with the through hole of the box end and enclosed by the polygonal inner periphery.

2. The wrench as claimed in claim 1, wherein the spring member is a coil spring and includes a first end and a second end, a groove defined in the polygonal inner periphery and extending less than 360 degrees, the first end of the spring member engaged with the groove.

3. The wrench as claimed in claim 1, wherein the first end of the spring member has a circular cross section.

4. The wrench as claimed in claim 1, wherein a body of the spring member including the second end of the spring member has a flat rectangular cross section.

5. The wrench as claimed in claim 1, wherein the spring member is a collar and a plurality of flexible plates extending inclinedly from an inner

periphery of the collar, an annular groove defined in the inner periphery of the through hole and the collar engaged with the groove.

6. The wrench as claimed in claim 1, wherein a passage is defined through a wall of the box end and communicates with the through hole, the
5 passage defining an opening in the plain inner surface, an index assembly received in the passage and partially extending into the through hole via the opening.

7. The wrench as claimed in claim 6, wherein the index assembly includes a bead and a spring, the bead partially extending into the through
10 hole via the opening.